

MUHAMMAD ZAFRULLAH

Phone: (208) 478-2759, e-mail: zafullah@lohar.com or mzafrullah@usa.net

Web page: <http://www.lohar.com>

EDUCATION

- 1974 Ph. D. (Mathematics) University of London (Thesis Advisor: P. M. Cohn)
- 1969 M. Sc. (Mathematics) University of the Punjab Lahore, Pakistan
- 1967 B. Sc. (Mathematics and Physics) University of the Punjab, Lahore, Pakistan

PROFESSIONAL EXPERIENCE

- 2010-2011 Visiting Professor, The University of Iowa, Iowa City, IA
- 2008- Affiliate faculty, Idaho State University, Pocatello, ID
- 2000-2004 Visiting Assistant Professor, Idaho State University, Pocatello, ID
- 1999-2000 Lecturer, The University of Arkansas, Fayetteville, AR
- 1998 Fall Visiting Associate Professor, University of Iowa, Iowa City, IA
- 1998 Spring Part-time instructor, Mount Mercy College, Cedar Rapids, IA
- 1997 Fall Visiting Associate Professor, The University of Iowa, Iowa City, IA
- 1997 Spring Part-time Instructor, Bowie State University, Bowie, MD
- 1996 Fall Part-time Instructor, Bowie State University, Bowie, MD
- 1989-92 Associate Professor, Winthrop University, Rock Hill, SC
- 1989 Spring Visiting Associate Professor, The University of Iowa, Iowa City, IA
- 1988 Fall Visitor, Florida State University, Tallahassee, Florida
- 1987-88 Visitor, University of North Carolina at Charlotte, Charlotte, NC
- 1985-87 Honorary Research Fellow, University College London, London, UK
- 1984-85 Associate Professor, Al- Faateh University, Tripoli, Libya
- 1982-84 Associate Professor, University of Sebha, Sebha, Libya
- 1977-82 Assistant Professor, University of Sebha, Sebha, Libya
- 1975-77 Demonstrator, UMIST, Manchester, UK

PROFESSIONAL SERVICES

I reviewed for Zentralblatt MATH but retired recently, due to illness.

Did review, also, for Mathematical Reviews but then resigned. See letter from AMS at: www.lohar.com/Letter%20from%20AMS.pdf

See, also, correspondence with Darla Kremer, a then official at Math Reviews. Let's put it this way, it was over an unnecessary and unimportant difference of opinion over a book review. She wanted me to change the review and I refused to budge on some of her demands. But then her attitude frightened me and I resigned:

www.lohar.com/Kremer.pdf

Referee for Mathematical Journals

Outside reviewer of Ph.D. theses

Associate Editor, International Journal of Commutative Ring Theory

ADMINISTRATIVE EXPERIENCE

Chairman of the Department of Mathematics, University of Sebha, Sebha, Libya: from 1978 to 1983.

At Winthrop University I served on the Seminar Committee and the Winthrop-Wylie Mathematics Tournament Committee.

At the University of Arkansas, I was faculty adviser to a student organization called Pakistan Cultural Club.

SELECTED CONFERENCES AND VISITS

Conferences:

1. **Second Piedmont Mathematics Conference**, held at the University of North Carolina at Charlotte. (Duration: 3-13 87 to 3-14 8.) I gave a talk on the work that later developed into [24]. (A number in brackets such as this refers to the ordinal position of the paper in the list of my publications in My Research.)
2. **841st AMS meeting** at the University of Tennessee at Knoxville, TN. (Duration: 3-24-88 to 3-27-88). Evan Houston gave a talk on [21].
3. **861st AMS meeting** held at Denton Texas in November 1990. Presented a paper on t -class groups and Nagata's class group Theorem. The work later appeared as [47].
4. **Colloque International d'Algebre Commutative**, held at the University of Fez Morocco. (Duration: 4-20-92 to 4-24-92) Gave a talk on t -invertibility especially highlighting the elements whose presence in an ideal ensures its invertibility (or t -invertibility). This work later appeared as [48].
5. **915th AMS Meeting** held at UT Chattanooga TN, in October 1997. Gave a talk on unique factorization in non atomic rings
6. **936th AMS Meeting** held at Wake Forest University, Winston-Salem, NC in October, 1998.
7. **962nd AMS Meeting**, New Orleans, Louisiana, January 2001. Gave a talk on LCM-Splitting Sets in Some Ring Extensions [68]
8. **International Conference on Commutative Ring Theory**, held at the Inha University in Incheon, Korea on May 18-19, 2001. Gave a talk on factorization and splitting sets. The material presented in this talk later developed into [74].
9. **Fourth International Conference, Commutative Ring Theory and Applications**, June 7-12, 2001, held at Fez, Morocco. Gave a plenary talk on Various facets of rings between $D[X]$ and $K[X]$. Wrote a survey article with the same title. The survey "half appeared" in the conference proceedings, it has appeared in full in Comm. Algebra (see [71]). While in Fez I also served on the jury of Abdeslam Mimouni's thesis. Mimouni is a student of S. Kabbaj, a well-known Moroccan Algebraist.
10. **969th AMS Meeting**, September 21-23, 2001, Columbus, Ohio. I gave a talk on Another look at Nagata Type Theorems. In it I talk on t -LCM Splitting sets and corresponding Nagata type theorems. Most of this material went into [74].

11. **984th AMS Meeting**, March 14-16, 2003, Baton Rouge, Louisiana, gave a talk on $A+XB[X]$ domains and the HFD property. This is joint work with Jim Coykendall and Tiberiu Dumitrescu [81].
12. **994th AMS meeting**, March 12-13, 2004, Tallahassee, Florida, gave a talk on t-splitting sets of ideals and the influence Gilmer and Mott had on this area of research.
13. **Workshop on commutative rings and their modules**, May 30-June 4, 2004, Cortona, Italy, gave a plenary talk on v-coprimality and its applications. The title of the talk was, "What v-coprimality can do for you". I have written a survey article [85] on this topic.

Visits:

1. Italy: At the suggestion of Professor Abdus Salam, I visited the International Centre of Theoretical Physics at Trieste for a month in 1983. During this stay I attended an activity on dynamical systems, directed by Professors Jaco Palis and E.C. Zeeman, wrote [18] and gave the opening talk in a Forum on "Mathematics in the Third World". (The discussion was suggested by Prof. Salam.)
2. Italy: Professor Marco Fontana of Istituto Matematico Universita di Roma invited me, in 1985, to visit for a week. I gave a talk there and wrote [19].
3. France: Professor Alain Bouvier of Universite Claude Bernard, Lyon, France, invited me, in 1986, to visit for ten days. Gave several talks, discussed with Bouvier's students their future work. In Lyon, I met several Moroccan Students. Later some of them, such as Salah Kabbaj, and their students, worked on topics of research of interest to me and furthered my work.
4. US: Professor Joe Mott of Florida State University, Tallahassee Florida invited me to visit and give a Talk at his department. This visit turned into a tour of several universities including The University of Iowa, Iowa City, IA, the University of Tennessee at Knoxville, TN and the University of Virginia at Charlottesville, VA. I gave talks at all these places over a period of some twenty days and wrote or planned a number of papers.
5. Morocco: While in Morocco, in June 2001, I visited Universite Qadi Ayyad, Marrakech to serve as a member of jury on Said el Baghdadi's thesis.
6. China: Dr. Yi Chuan Yang invited me to visit the Beihang University from May 21 to June 22, 2010. While I was in Beijing I gave talks and worked on [103]. I also spent a week in Chengdu, at the invitation of Professor Wang Fanggui at Sichuan Normal University, and gave talks.

RESEARCH PUBLICATIONS

- [1]. A note on two generated finite groups with two defining relations, Punjab Univ. J. Math. (Lahore) 4(1971), 67-68.
- [2]. On the evaluation of a certain arithmetical function, J. Natur. Sci. and Math. 12(1972), 363-365 (with S.M. Kerawala).
- [3]. Semirigid GCD-domains, Manuscripta Math. 17(1975), 55-66.

- [4]. The construction $D + XD_s[X]$, J. Algebra 53(1978), 423-439 (with D.L. Costa and J.L. Mott).
- [5]. On a result of Gilmer, J. London Math. Soc. 16 (1977), 19-20.
- [6]. Rigid elements in GCD domains, J. Natur. Sci. and Math. 17(1977), 7-14.
- [7]. On unique representation domains, J. Natur. Sci. and Math. 18(1978), 19-29.
- [8]. On finite conductor domains, Manuscripta Math. 24(1978), 191-204.
- [9]. On Prüfer v -multiplication domains, Manuscripta Math. 35(1981), 1-26 (with J.L. Mott).
- [10]. Some polynomial characterizations of Prüfer v -multiplication domains, J. Pure Appl. Algebra 32 (1984), 231-237.
- [11]. The v -operation and intersections of quotient rings of integral domains, Comm. Algebra 13(1985) 1699-1712.
- [12]. A general theory of almost factoriality, Manuscripta Math. 51(1985), 29-62.
- [13]. Overrings and dimensions of general $D + M$ constructions, J. Natur. Sci. and Math. 26(2) (1986), 7-14 (with D.L. Costa and J.L. Mott).
- [14]. The GCD property and irreducible quadratic polynomials, International J. Math. 9(1986), 749-752 (with S.B. Malik and J.L. Mott).
- [15]. On generalized Dedekind domains, Mathematika 33(1986), 285-296.
- [16]. On a property of pre-Schreier domains, Comm. Algebra 15(1987), 1895-1920.
- [17]. On t -invertibility, Comm. Algebra 16(1988), 149-170 (with S.B. Malik and J.L. Mott).
- [18]. The $D + XD_s[X]$ construction from GCD-domains, J. Pure Appl. Algebra 50(1988), 93-107.
- [19]. Two characterizations of Mori domains, Math. Japonica 33(1988), 645-652.
- [20]. On generalized multiplicative functions I, J. Natur. Sci. and Math. 28(1988), 257-268.
- [21]. Integral domains in which each t -ideal is divisorial, Michigan Math. J. 35(1988), 291-300 (with E. Houston).
- [22]. Ascending chain conditions and star operations, Comm. Algebra 17(6) (1989), 1523-1533.
- [23]. Some characterizations of v -domains and related questions, Colloq. Math. Vol. LVIII (1989), 1-9 (with D.D. Anderson, D.F. Anderson, D. Costa, D. Dobbs and J.L. Mott).
- [24]. Some quotient based characterizations of domains of multiplicative ideal theory, Bull. Math. Ital. (7) 3-B (1989), 455-476 (with D.D. Anderson and J.L. Mott).
- [25]. On t -invertibility II, Comm. Algebra 17(8) (1989), 1955-1969 (with E. Houston).
- [26]. t -linked overrings and Prüfer v -multiplication domains, Comm. Algebra 17(11) (1989), 2635-2852 (with D. Dobbs, E. Houston and T. Lucas).
- [27]. On some class groups of an integral domain, Bull. Soc. Math. Grece. 29(1988), 45-59 (with A. Bouvier).
- [28]. Unruly Hilbert domains, Canad. Bull. Math. 33(1) (1990), 106-109 (with J.L. Mott).
- [29]. Well behaved prime t -ideals, J. Pure Appl. Algebra 65(1990), 199-207.
- [30]. Contents of polynomials and invertibility, Comm. Algebra 18(5) (1990), 1569-1583 (with J.L. Mott and B. Nashier).
- [31]. Flatness and invertibility of ideals, Comm. Algebra 18(7)(1990), 2151-2158.

- [32]. t -linked overrings as intersections of localizations, Proc. Amer. Math. Soc. 109(3)(1990), 637-646 (with D. Dobbs, E. Houston and T. Lucas).
- [33]. Weakly factorial domains and groups of divisibility, Proc. Amer. Math. Soc. 109(4)(1990), 907-913 (with D.D. Anderson).
- [34]. Factoriality in partially ordered groups, Comm. Algebra 18(5)(1990), 1307-1322.
- [35]. On almost Bezout domains, J. Algebra 142(1991), 285-309 (with D.D. Anderson).
- [36]. On pseudo integrality, Canad. Math. Bull. 34(1)(1991), 15-22 (with D.F. Anderson and E. Houston).
- [37]. Factorization in integral domains, J. Pure Appl. Algebra 69(1990), 1-19 (with D.D. Anderson and D. F. Anderson).
- [38]. Rings between $D[X]$ and $K[X]$, Houston J. Math. 17(1)(1991), 109-129 (with D.D. Anderson and D.F. Anderson).
- [39]. On Krull domains, Archiv der Math. 56(1991), 559-568 (with J.L. Mott).
- [40]. Splitting the t -class group, J. Pure Appl. Algebra 74(1991), 17-37 (with D.D. Anderson and D.F. Anderson).
- [41]. t -linked overrings of Noetherian weakly factorial domains, Proc. Amer. Math. Soc. 115(3)(1992), 601-604 (with M. Martin).
- [42]. Factorization in integral domains II, J. Algebra 152(1992), 78-93 (with D.D. Anderson and D.F. Anderson).
- [43]. Finite character representations for integral domains, Bull. Math. Ital. (7) 6-B(1992), 613-630 (with D.D. Anderson and J.L. Mott).
- [44]. On t -linked overrings, Comm. Algebra 20(5)(1992), 1463-1488 (with D. Dobbs, E. Houston, T. Lucas and M. Roitman).
- [45]. Atomic domains in which almost all atoms are primes, Comm. Algebra 20(5)(1992), 1447-1462 (with D.D. Anderson and D.F. Anderson).
- [46]. On t -invertibility III, Comm. Algebra 21(1993), 1189-1201 (with D.D. Anderson).
- [47]. t -linked extensions, the t -class group and Nagata's Theorem, J. Pure Appl. Algebra 86(1993), 109-124 (with D.D. Anderson and E. Houston).
- [48]. On t -invertibility and comparability, *Commutative Ring Theory* (eds. P.-J. Cahen, D. Costa, M. Fontana and S.-E. Kabbaj), Marcel Dekker, New York, 1994, 141-150 (with R. Gilmer and J. Mott).
- [49]. Some locally trivial star theoretic properties of integral domains, *Commutative Ring Theory* (eds. P.-J. Cahen, D. Costa, M. Fontana and S.-E. Kabbaj), Marcel Dekker, New York, 1994, 87-96 (with D. Dobbs).
- [50]. A note on Riesz groups, Manuscripta Math. 80(1993), 225-238.
- [51]. A note on triangular numbers, Punjab. Univ. J. Math. 26(1993), 75-83 (with H. Lee).
- [52]. On a theorem of Kaplansky, Bollettino U.M.I. (7) 8-A (1994), 397-402 (with D.D. Anderson).
- [53]. P.M. Cohn's completely primal elements, *Zero-Dimensional Commutative Rings* (eds. D.F. Anderson and D. Dobbs) Marcel Dekker, New York, 1995, 115-123 (with D.D. Anderson).
- [54]. On generalized unique factorization, Bollettino U. M. I. (7) 9-A (1995), 401-413 (with D.D. Anderson and D.F. Anderson).
- [55]. On agreeable domains, Comm. Algebra 23 (13) (1995), 4861-4883 (with D.D. Anderson and D. J. Kwak).

- [56]. Examples in modern algebra with which students can play, *Primus* 6 No. 4, (1996), 351-354 (with T. Jackson).
- [57]. On t -invertibility IV, *Factorization in Integral Domains* (ed. D.D. Anderson) Marcel Dekker, New York, 1997, 221-225 (with D.D. Anderson).
- [58]. Criteria for unique factorization in integral domains, *J. Pure Appl. Algebra*, 127(1998), 205-218 (with D.D. Anderson, S. T. Chapman and F. Halter-Koch)
- [59]. Unique factorization in non-atomic integral domains, *Bollettino U. M. I* 8(2-B) (1999) 341-352 (with D.D. Anderson and J.L. Mott).
- [60]. Star operations and primitive polynomials, *Comm. Algebra* 27(7)(1999) 3137-3142 (with D.D. Anderson).
- [61]. Independent locally finite intersections of localizations, *Houston J. Math.* 25(1999) 433-452 (with D. D. Anderson)
- [62]. Integral domains whose over-rings satisfy ACC on principal ideals, *Comm. Algebra* 28(9)(2000), 4403-4409. (with T. Dumitrescu and Tariq Shah).
- [63]. Splitting multiplicative sets *Proc. Amer. Math. Soc.* 129(2001) (8), 2209-2217 (with D. D. Anderson).
- [64]. Putting t -invertibility to use, *Non-Noetherian commutative ring theory*, 429-457, *Math. Appl.*, 520, *Kluwer Acad. Publ., Dordrecht*, 2000.
- [65]. Primes that become primal in a pullback, *Internat. J. Comm. Ring Theory (Commutative rings)* 201-212, *Nova Sci. Publ., Hauppauge, NY*, 2002. (with T. Dumitrescu and N. Radu).
- [66]. The ring $D+XD[1/S][X]$ and t -splitting sets, *Commutative algebra. Arab. J. Sci. Eng. Sect. C Theme Issues* 26 (2001), no. 1, 3--16. (with D. D. Anderson and D.F. Anderson)
- [67]. Distinguished domains, *Commutative rings*, 159--166, *Nova Sci. Publ., Hauppauge, NY*, 2002. (with D.D. Anderson and D.J. Kwak).
- [68]. LCM-splitting sets in some ring extensions *Proc. Amer. Math. Soc.* 130 (2002), no. 6, 1639—1644 (with T. Dumitrescu).
- [69]. Almost GCD domains of finite t -character, *J. Algebra* 245(2001) no 1, 161-181 (with T. Dumitrescu, Y. Lequain and J. Mott)
- [70]. Various facets of rings between $D[X]$ and $K[X]$, a survey article that has “half appeared” in the proceedings of the 2001 Fez Conference (Lecture notes in Pure and Applied Mathematics Volume 231, pp (Marcel-Dekker 2002), under the nonsensical title, “Facets on rings between $D[X]$ and $K[X]$ ”. The paper has appeared as indicated below. I am treating it as two papers because apparently Math. Reviews have done that.
- [71]. Various facets of rings between $D[X]$ and $K[X]$, *Comm. Algebra* 31(5) (2003) 2494-2540.
- [72]. On a property of weakly Krull domains, *Proc. Amer. Soc.* 131(12) (2003) 3689-3692 (with D.D. Anderson).
- [73]. Almost Splitting Sets and AGCD Domains, *Comm. Algebra*, 32(1)(2004), 147-158 (with D. D. Anderson and T. Dumitrescu).
- [74]. Factorization of certain sets of polynomials in an integral domain, *Internat. J. Comm. Ring Theory*, 2(2003) (with D.D. Anderson and Pramod K. Sharma)
- [75]. t -Splitting sets in integral domains, *J. Pure Appl. Algebra* 187, No.1-3, 71-86 (2004). (with G.W. Chang and T. Dumitrescu).

- [76]. AP domains and unique factorization, *J. Pure Appl. Algebra* 189, No.1-3, 27-35 (2004) (with James Coykendall).
- [77]. UMV domains, *Arithmetical properties of commutative rings and monoids*, 304-315, *Lect. Notes Pure Appl. Math.*, 241, Chapman & Hall/CRC, Boca Raton, FL, 2005 (with Evan Houston).
- [78]. Weakly Krull inside factorial domains, *Arithmetical properties of commutative rings and monoids*, 172--179, *Lect. Notes Pure Appl. Math.*, 241, Chapman & Hall/CRC, Boca Raton, FL, 2005 (with D.D. Anderson and G.W. Chang).
- [79]. A note on almost GCD monoids, *Semigroup Forum* Volume 69, Number 1(2004), 141-154 (with DD Anderson).
- [80] t -splitting sets of ideals, *J. Pure Appl. Algebra* 197(1-3)(2005) 239-248. (with Gyu Whan Chang and T. Dumitrescu)
- [81] The half factorial property and the domains of the form $A+XB[X]$, *Houston J. Math.* 32(1)(2006) 33-46 (with J. Coykendall and T. Dumitrescu)
- [82] The w -integral closure of integral domains. *J. Algebra* 295(1)(2006) 195-210. (with G. W. Chang).
- [83] The Schreier Property and Gauss' Lemma (with D.D. Anderson) *Bollettino U. M. I.* (8) 10-B (2007), 43-62.
- [84] Quasi Schreier domains II (with D.D Anderson and T. Dumitrescu) *Comm. Algebra* 35(7)(2007), 2096-2104.
- [85] What v -coprimality can do for you, *Multiplicative ideal theory in commutative algebra*, 387--404, Springer, New York, 2006.
- [86] Pseudo almost integral elements *Comm. Algebra* 35(4)(2007), 1127-1131. (with D. D Anderson)
- [87] Monoid domain constructions of antimatter domains, (with D.D. Anderson, L. Hill and J. Coykendall) *Comm. Algebra* 35(10)(2007), 32-36.
- [88] Factoriality in Riesz groups (with J.L. Mott and Munir A. Rashid) *J. Group Theory* 11(1)(2008), 23-41.
- [89] Unique representation domains II (with S. El-Baghdadi and S. Gabelli) *J. Pure Appl. Algebra* 212(2)(2008), 376-393.
- [90] Some remarks on Prufer $*$ -multiplication domains and class groups (with D.F. Anderson and M. Fontana) *J. Algebra* 319(1)(2008), 272-295.
- [91] Almost Bezout domains, III (with Dan Anderson), *Bull. Math. Soc. Sci. Math. Roumanie* Tome 51(99) No. 1 (2008), 3-9.
- [92] A simple application of Zorn's Lemma (with D.D. Anderson and D. Dobbs) *Tamkang J. Math.* 40(2)(2009), 139-150.
- [93] On v -domains and star operations, (with D.D. Anderson, D.F. Anderson and M. Fontana), *Comm. Algebra* 37(2009) 1-26.
- [94] On v -domains, a survey, in *Commutative Algebra, Noetherian and non-Noetherian perspectives*, (Editors: Fontana, Kabbaj, Olberding and Swanson) pp. 145-179, Springer 2011.
- [95] Splitting sets and weakly Matlis domains (with Dan Anderson) *Commutative algebra and its applications*, 1-8, Walter de Gruyter, Berlin, 2009.
- [96] t -invertibility and Bazzoni-like Statements, *J. Pure Appl. Algebra* *J. Pure Appl. Algebra* 214(2010), 654-657.

- [97] Domains in which nonzero locally principal ideals are invertible (with D.D. Anderson) *Comm. Algebra* 39 (2011), no. 3, 933–941.
- [98] A v -operation free' approach to Prüfer v -multiplication domains. *Int J. Math. Sci.* 2009, Art. ID 349010 (with M. Fontana).
- [99] t -Schreier domains (with T. Dumitrescu) *Comm. Algebra* 39 (2011), no. 3, 808--818.
- [100] Characterizing domains of finite $*$ -character, *J. Pure Appl. Algebra* 214 (2010), 2087-2091 (with T. Dumitrescu).
- [101] $*$ -Finite ideals contained in infinitely many $*$ s -maximal ideals, [Rendiconti del Circolo Matematico di Palermo](#), 2011, [Volume 60, Number 3](#), Pages 319-322 (with Dan Anderson).
- [102] The v -operation in extensions of integral domains, *J. Algebra Appl.*, 11 (2012), no. 1, 1250007, 18 pp (with David Anderson and said El-Baghdadi)
- [103] Bases of pre-Riesz groups and Conrad's F-condition, [Arabian Journal for Science and Engineering](#), 2011, [Volume 36, Number 6](#), Pages 1047-1061 (with Y.C. Yang).
- [104] Integral domains of finite t -character, *J. Algebra*, 396 (2013) 169—183. (With D.D. Anderson and G.W. Chang)
- [105] Corrigendum to "Integral domains of finite t -character", [*J. Algebra* 396 (2013) 169--183], *J. Algebra* 405 (2014), 35--37. (With D.D. Anderson and G.W. Chang)
- [106] Studying monoids is not enough to study multiplicative properties of rings: an elementary approach, *Arabian Journal of Mathematics* (to appear) (With M. Fontana)
- [107] Integral domains in which any two v -[coprime](#) elements are [comaximal](#) *J. Algebra* *Volume 423*, (2015), 93-113. (with Evan Houston)
- [108] [Nagata-like theorems for integral domains of finite character and finite \$t\$ -character](#) *J. Algebra and Applications* (to appear) (with D.D. Anderson and G. W. Chang)
- [109] Locally GCD domains and the ring $D + XD_S[X]$, *Bulletin Iranian Math. Soc.* 42(2) (2016), 263-284 (with G.W. Chang and T. Dumitrescu)
- [110] Cohen type theorems for a Commutative ring, *Houston J. Math.* 43(2) (2016) 325-331 (with D.D. Anderson).
- [111] Intersections of quotient rings and Prüfer v -multiplication domains, *Journal of Algebra and Applications* 15(08) 2016 (1650149) (with S. El-Baghdadi and M. Fontana)
- [112] On locally AGCD domains, *Journal of Algebra and Applications* 16(02) (2017) (1750028) (with David Anderson and Gyu Whan Chang).
- [113] Completely integrally closed Prüfer v -multiplication domains, *Comm. Algebra* (45 (12) (2017) 5264-5282) (with Daniel and David Anderson).
- [114] Graded Prüfer domains, *Comm. Algebra* 46 (02) (2018) 792-809 (with David Anderson and G.W. Chang)
- [115] $*$ -super potent domains, *J. Commutative Algebra* (to appear) (with Evan Houston)

- [116] On S-GCD domains, *J. Alg. Appl.* 18 (04) (2019)(1950067) (With Dan Anderson and Ahmed Hamed)
- [117] On the structure of $*$ -power conductor domains, *Comm. Algebra* 47(07) (2019) 2711-2726 (With Evan Houston and Dan Anderson).
- [118] On $*$ -semi homogeneous integral domains (2019), pages 7-31, in: Badawi A., Coykendall J. (eds) *Advances in Commutative Algebra. Trends in Mathematics.* Birkhäuser, Singapore.) (With Dan Anderson).
- [119] On t -local domains and valuation domains in "**Advances in Commutative Algebra**"
Editors: Badawi, Ayman, Coykendall, Jim, Trends in Mathematics, Birkhäuser 2019, pp. 33-62 (With Marco Fontana).
- [120] Almost discrete valuation domains, *Comm. Algebra* (2020) DOI: 10.1080/00927872.2020.1797069 (With Dan Anderson and Shiqi Xing).